

Invasion! Infection and Immunity Curriculum links for AQA A-Level Human Biology (2405)

3.1.4 Microorganisms use us for food, shelter and reproduction

3.1.5 How the body fights infectious disease

3.5.3 Humans' health can be affected when they change their environment

3.5.6 People and their microorganisms

AQA Human Biology Unit Information	Invasion! Infection and Immunity Unit	Core or Additional Unit
3.1.4 Microorganisms use us for food, shelter and reproduction		
Bacterial diseases		
Bacteria cause disease	Pathogens & The Immune System	Core
Salmonella and TB	Pathogens & The Immune System	Core
Antibiotics are used to treat disease How antibiotics work Antibiotics and the development of MRSA	Antibiotic Resistance	Additional
Viruses		
Viruses cause disease	Pathogens & The Immune System	Core
How HIV is spread	Pathogens & The Immune System	Core
Why antibiotics are ineffective against viruses	Antibiotic Resistance	Additional
3.1.5 How the body fights infectious disease		
Our reaction to something foreign		
Antigen and Antibody	Pathogens & The Immune System	Core
Phagocytosis and the subsequent destruction of ingested pathogens	Pathogens & The Immune System	Core
The role of B cells and T cells in the response to antigens	Pathogens & The Immune System	Core
The role of plasma cells and memory cells in producing the primary and secondary response	Pathogens & The Immune System	Core
Immunity and Vaccines		
Vaccines containing attenuated or dead microorganisms, or isolated antigens, may be used as the basis for vaccines. Vaccination leads to active immunity.	Vaccination	Additional
3.5.3 Humans' health can be affected when they change their environment		
Diet, crops and food allergies		
Nut allergy and hay fever	Allergies	Additional
Allergies		
Allergic responses produce illness	Allergies	Additional

Allergens are antigens that produce an abnormal immune response	Allergies	Additional
Hypersensitivity reaction including information on IgE, Mast cells & histamine, allergic symptoms, anaphylaxis and skin tests.	Allergies	Additional
3.5.6 People and their microorganisms		
The ecology of the skin		
Fungi	Pathogens & The Immune Response	Core
Antibacterial Resistance		
Humans have introduced large amounts of antibacterial agents into the environment of bacteria.	Antibiotic Resistance	Additional
Evolution of resistance to antibacterial agents.	Antibiotic Resistance	Additional
MRSA	Antibiotic Resistance	Additional